

FOR RELEASE A.M. MONDAY, JANUARY 30, 1984

**press  
release**

American machine tool orders rose 13% for the year ending December 31, 1983, according to data released today by the National Machine Tool Builders' Association. Net new orders of cutting and forming machine tools totaled \$1,696,050,000 for the year compared to \$1,497,750,000 in 1982. However, shipments were down steeply for the year at \$1,845,600,000, a 49% drop from 1982's total of \$3,604,400,000.

Orders for the month of December declined 6% from the previous month at \$151,150,000, while shipments rose 61% for the month to \$238,350,000 as builders pushed to meet year-end shipping goals.

"This year's order increase, while quite small, offers some encouragement for our seriously debilitated industry," said NMTBA President James A. Gray. "But the drastic decline in annual shipments has already taken a severe toll," Gray added, "with numerous plant closings, consolidations, and further lay offs of the industry's skilled workers."

-over-



**national  
machine  
tool builders'  
association**

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Gray pointed to imports, which rose to an estimated 36% of domestic consumption in 1983 (compared to 27% in 1982), as a primary factor in the decline. The Association petitioned President Reagan in March of last year to restrict machine tool imports to 17.5% of domestic consumption for a period of five years, citing evidence that current import levels imperil national security. The petition, which must be acted upon by March 14 of this year, demonstrates that the industry's current productive capacity would be insufficient to support the defense industrial base in the event of a national emergency. "Without a healthy American machine tool industry," Gray emphasized, "our nation's deterrence posture is seriously weakened by reliance upon foreign suppliers for the tools to produce virtually every conventional armament."

In the two basic categories of machine tools, metal cutting tools recorded an 8% order increase for the year at \$1,151,550,000 while metal forming machine tool orders rose 26%, totalling \$544,500,000. Metal cutting shipments were off 53% at \$1,372,050,000 and shipments of metal forming machine tools dropped 33% to a level of \$473,550,000 during 1983.

For the month of December, orders in the metal cutting category fell 21% to \$91,150,000 with shipments up 70% at \$182,300,000. Metal forming machine tools orders rose 34% for the month at \$60,000,000 while shipments rose 39% at \$56,050,000 for the period.

Industry backlog, which totaled \$1.133 billion in January 1983, ended the year at \$1.044 billion, down slightly.

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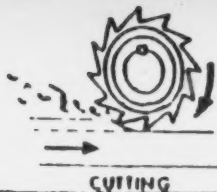
# COMPARISON CHART

## NET NEW ORDERS -- MACHINE TOOLS (Thousands of Dollars)

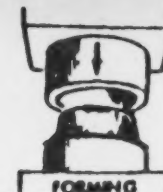
|                     | METAL CUTTING |         |           | METAL FORMING |         |         | TOTAL<br>Cutting and Forming |         |           |
|---------------------|---------------|---------|-----------|---------------|---------|---------|------------------------------|---------|-----------|
|                     | Domestic      | Foreign | Total     | Domestic      | Foreign | Total   | Domestic                     | Foreign | Total     |
| Dec. 1983           | 84,050        | 7,100   | 91,150    | 48,300        | 11,700  | 60,000  | 132,350                      | 18,800  | 151,150   |
| Nov. 1983           | 107,650       | 7,700   | 115,350   | 40,850        | 4,050   | 44,900  | 148,500                      | 11,750  | 160,250   |
| % Change            |               |         |           |               |         |         |                              |         |           |
| Dec.1983:Nov.1983   | -21.9         | -7.8    | -21.0     | +18.2         | +188.9  | +33.6   | -10.9                        | +60.0   | -5.7      |
| Dec. 1982           | 84,200        | 1,600   | 85,800    | 33,500        | 1,650   | 35,150  | 117,700                      | 3,250   | 120,950   |
| % Change            |               |         |           |               |         |         |                              |         |           |
| Dec. 1983:Dec. 1982 | -0.2          | +343.8  | +6.2      | +44.2         | +609.1  | +70.7   | +12.4                        | +478.5  | +25.0     |
| Year To Date 1983   | 1,069,350     | 82,200  | 1,151,550 | 488,750       | 55,750  | 544,500 | 1,558,100                    | 137,950 | 1,696,050 |
| Year To Date 1982   | 889,600       | 174,850 | 1,064,450 | 371,750       | 61,550  | 433,300 | 1,261,350                    | 236,400 | 1,497,750 |
| % Change            |               |         |           |               |         |         |                              |         |           |
| 1983 : 1982         | +20.2         | -53.0   | +8.2      | +31.5         | -9.4    | +25.7   | +23.5                        | -41.6   | +13.2     |

## SHIPMENTS -- MACHINE TOOLS (Thousands of Dollars)

|                     | METAL CUTTING |         |           | METAL FORMING |         |         | TOTAL<br>Cutting and Forming |         |           |
|---------------------|---------------|---------|-----------|---------------|---------|---------|------------------------------|---------|-----------|
|                     | Domestic      | Foreign | Total     | Domestic      | Foreign | Total   | Domestic                     | Foreign | Total     |
| Dec. 1983           | 152,700       | 29,600  | 182,300   | 54,350        | 1,700   | 56,050  | 207,050                      | 31,300  | 238,350   |
| Nov. 1983           | 96,150        | 11,100  | 107,250   | 37,100        | 3,350   | 40,450  | 133,250                      | 14,450  | 147,700   |
| % Change            |               |         |           |               |         |         |                              |         |           |
| Dec.1983:Nov.1983   | +58.8         | +166.7  | +70.0     | +46.5         | -49.3   | -38.6   | +55.4                        | +116.6  | +61.4     |
| Dec. 1982           | 184,200       | 20,100  | 204,300   | 41,500        | 18,350  | 59,850  | 225,700                      | 38,450  | 264,150   |
| % Change            |               |         |           |               |         |         |                              |         |           |
| Dec. 1983:Dec. 1982 | -17.1         | +47.3   | -10.8     | +31.0         | -90.7   | -6.3    | -8.3                         | -18.6   | -9.8      |
| Year To Date 1983   | 1,200,150     | 171,900 | 1,372,050 | 430,450       | 43,100  | 473,550 | 1,630,600                    | 215,000 | 1,845,600 |
| Year To Date 1982   | 2,598,600     | 296,150 | 2,894,750 | 599,750       | 109,900 | 709,650 | 3,198,350                    | 406,050 | 3,604,400 |
| % Change            |               |         |           |               |         |         |                              |         |           |
| 1983 : 1982         | -53.8         | -42.0   | -52.6     | -28.2         | -60.8   | -33.3   | -49.0                        | -47.1   | -48.8     |



**TOTAL INDUSTRY ESTIMATE**  
**MACHINE TOOLS - CUTTING AND FORMING**  
 New Orders, Cancellations, Shipments and Backlog



| DATE     | NET NEW ORDERS  |                |                 | Order<br>Backlog<br>(In Mil. \$) | SHIPMENTS       |                |                 |
|----------|-----------------|----------------|-----------------|----------------------------------|-----------------|----------------|-----------------|
|          | Domestic        | Foreign        | Total           |                                  | Domestic        | Foreign        | Total           |
| 1983     |                 |                |                 |                                  |                 |                |                 |
| Jan.     | \$ 80,300,000   | \$ 11,550,000  | \$ 91,850,000   | 1,132.60                         | \$ 131,450,000  | \$ 21,400,000  | \$ 152,850,000  |
| Feb.     | \$ 88,250,000   | \$ 9,250,000   | \$ 97,500,000   | 1,071.75                         | \$ 143,250,000  | \$ 15,100,000  | \$ 158,350,000  |
| Mar.     | \$ 117,000,000  | \$ 8,500,000   | \$ 125,500,000  | 1,021.00                         | \$ 156,100,000  | \$ 20,150,000  | \$ 176,250,000  |
| Apr.     | \$ 111,050,000  | \$ 7,500,000   | \$ 118,550,000  | 988.75                           | \$ 135,550,000  | \$ 15,250,000  | \$ 150,800,000  |
| May      | \$ 126,300,000  | \$ 9,200,000   | \$ 135,300,000  | 988.20                           | \$ 123,650,000  | \$ 12,200,000  | \$ 135,850,000  |
| June     | \$ 129,550,000  | \$ 15,700,000  | \$ 145,250,000  | 950.45                           | \$ 152,150,000  | \$ 30,850,000  | \$ 183,000,000  |
| July     | \$ 166,650,000  | \$ 8,450,000   | \$ 175,100,000  | 1,013.20                         | \$ 93,850,000   | \$ 18,500,000  | \$ 112,350,000  |
| Aug.     | \$ 124,650,000  | \$ 12,600,000  | \$ 137,250,000  | 1,037.45                         | \$ 101,650,000  | \$ 11,350,000  | \$ 113,000,000  |
| Sept.    | \$ 148,150,000  | \$ 7,650,000   | \$ 155,800,000  | 1,061.55                         | \$ 118,650,000  | \$ 13,050,000  | \$ 131,700,000  |
| Oct.     | \$ 185,550,000  | \$ 17,000,000  | \$ 202,550,000  | 1,118.70                         | \$ 134,000,000  | \$ 11,400,000  | \$ 145,400,000  |
| Nov.     | \$ 148,500,000  | \$ 11,750,000  | \$ 160,250,000  | 1,131.25                         | \$ 133,250,000  | \$ 14,450,000  | \$ 147,700,000  |
| Dec. (p) | \$ 132,350,000  | \$ 18,800,000  | \$ 151,150,000  | 1,044.05                         | \$ 207,050,000  | \$ 31,300,000  | \$ 238,350,000  |
| 12 Mos.  | \$1,558,100,000 | \$ 137,950,000 | \$1,696,050,000 |                                  | \$1,630,600,000 | \$ 215,000,000 | \$1,845,600,000 |

| DATE     | GROSS NEW ORDERS |                |                 | CANCELLATIONS  |               |                |
|----------|------------------|----------------|-----------------|----------------|---------------|----------------|
|          | Domestic         | Foreign        | Total           | Domestic       | Foreign       | Total          |
| 1983     |                  |                |                 |                |               |                |
| Jan.     | \$ 93,450,000    | \$ 12,500,000  | \$ 105,950,000  | \$ 13,150,000  | \$ 950,000    | \$ 14,100,000  |
| Feb.     | \$ 98,600,000    | \$ 9,900,000   | \$ 108,500,000  | \$ 10,350,000  | \$ 650,000    | \$ 11,000,000  |
| Mar.     | \$ 128,400,000   | \$ 10,200,000  | \$ 138,600,000  | \$ 11,400,000  | \$ 1,700,000  | \$ 13,100,000  |
| Apr.     | \$ 128,250,000   | \$ 9,250,000   | \$ 137,500,000  | \$ 17,200,000  | \$ 1,750,000  | \$ 18,950,000  |
| May      | \$ 133,100,000   | \$ 10,250,000  | \$ 143,350,000  | \$ 7,000,000   | \$ 1,050,000  | \$ 8,050,000   |
| June     | \$ 186,950,000   | \$ 16,450,000  | \$ 203,400,000  | \$ 57,400,000  | \$ 750,000    | \$ 58,150,000  |
| July     | \$ 171,850,000   | \$ 9,300,000   | \$ 181,150,000  | \$ 5,200,000   | \$ 850,000    | \$ 6,050,000   |
| Aug.     | \$ 140,800,000   | \$ 13,200,000  | \$ 154,000,000  | \$ 16,150,000  | \$ 600,000    | \$ 16,750,000  |
| Sept.    | \$ 163,950,000   | \$ 8,600,000   | \$ 172,550,000  | \$ 15,800,000  | \$ 950,000    | \$ 16,750,000  |
| Oct.     | \$ 194,800,000   | \$ 17,850,000  | \$ 212,650,000  | \$ 9,250,000   | \$ 850,000    | \$ 10,100,000  |
| Nov.     | \$ 154,650,000   | \$ 12,000,000  | \$ 166,650,000  | \$ 6,150,000   | \$ 250,000    | \$ 6,400,000   |
| Dec. (p) | \$ 144,300,000   | \$ 21,000,000  | \$ 165,300,000  | \$ 11,950,000  | \$ 2,200,000  | \$ 14,150,000  |
| 12 Mos.  | \$1,739,100,000  | \$ 150,500,000 | \$1,889,600,000 | \$ 181,000,000 | \$ 12,550,000 | \$ 193,550,000 |

P - Preliminary

N.M.T.B.A. F - 1c

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.



# INDUSTRY ESTIMATE METAL CUTTING TYPE MACHINE TOOLS New Orders, Cancellations, Shipments and Backlog

CUTTING

| DATE     | NET NEW ORDERS  |               |                 | Order<br>Backlog<br>(In Mil. \$) | SHIPMENTS       |               |                 |
|----------|-----------------|---------------|-----------------|----------------------------------|-----------------|---------------|-----------------|
|          | Domestic        | Foreign       | Total           |                                  | Domestic        | Foreign       | Total           |
| 1983     |                 |               |                 |                                  |                 |               |                 |
| Jan.     | \$ 51,350,000   | \$ 5,700,000  | \$ 57,050,000   | 992.65                           | \$ 93,400,000   | \$ 14,000,000 | \$ 107,400,000  |
| Feb.     | \$ 69,550,000   | \$ 7,850,000  | \$ 77,400,000   | 941.25                           | \$ 116,700,000  | \$ 12,100,000 | \$ 128,800,000  |
| Mar.     | \$ 84,950,000   | \$ 4,700,000  | \$ 89,650,000   | 896.50                           | \$ 119,700,000  | \$ 14,700,000 | \$ 134,400,000  |
| Apr.     | \$ 73,650,000   | \$ 5,600,000  | \$ 79,250,000   | 862.80                           | \$ 100,550,000  | \$ 12,400,000 | \$ 112,950,000  |
| May      | \$ 88,200,000   | \$ 5,400,000  | \$ 93,600,000   | 857.60                           | \$ 88,600,000   | \$ 10,200,000 | \$ 98,800,000   |
| June     | \$ 88,450,000   | \$ 8,000,000  | \$ 96,450,000   | 808.30                           | \$ 119,050,000  | \$ 26,700,000 | \$ 145,750,000  |
| July     | \$ 124,650,000  | \$ 4,100,000  | \$ 128,750,000  | 861.65                           | \$ 61,900,000   | \$ 13,500,000 | \$ 75,400,000   |
| Aug.     | \$ 82,650,000   | \$ 8,350,000  | \$ 91,000,000   | 869.80                           | \$ 72,750,000   | \$ 10,100,000 | \$ 82,850,000   |
| Sept.    | \$ 98,600,000   | \$ 3,850,000  | \$ 102,450,000  | 878.15                           | \$ 85,500,000   | \$ 8,600,000  | \$ 94,100,000   |
| Oct.     | \$ 115,600,000  | \$ 13,850,000 | \$ 129,450,000  | 905.55                           | \$ 93,150,000   | \$ 8,900,000  | \$ 102,050,000  |
| Nov.     | \$ 107,650,000  | \$ 7,700,000  | \$ 115,350,000  | 913.65                           | \$ 96,150,000   | \$ 11,100,000 | \$ 107,250,000  |
| Dec. (p) | \$ 84,050,000   | \$ 7,100,000  | \$ 91,150,000   | 822.50                           | \$ 152,700,000  | \$ 29,600,000 | \$ 182,300,000  |
| 12 Mos.  | \$1,069,350,000 | \$ 82,200,000 | \$1,151,550,000 |                                  | \$1,200,150,000 | \$171,900,000 | \$1,372,050,000 |

| DATE     | GROSS NEW ORDERS |               |                 |  | CANCELLATIONS  |               |                |
|----------|------------------|---------------|-----------------|--|----------------|---------------|----------------|
|          | Domestic         | Foreign       | Total           |  | Domestic       | Foreign       | Total          |
| 1983     |                  |               |                 |  |                |               |                |
| Jan.     | \$ 62,750,000    | \$ 6,050,000  | \$ 68,800,000   |  | \$ 11,400,000  | \$ 350,000    | \$ 11,750,000  |
| Feb.     | \$ 78,300,000    | \$ 8,450,000  | \$ 86,750,000   |  | \$ 8,750,000   | \$ 600,000    | \$ 9,350,000   |
| Mar.     | \$ 95,900,000    | \$ 6,350,000  | \$ 102,250,000  |  | \$ 10,950,000  | \$ 1,650,000  | \$ 12,600,000  |
| Apr.     | \$ 88,200,000    | \$ 7,300,000  | \$ 95,500,000   |  | \$ 14,550,000  | \$ 1,700,000  | \$ 16,250,000  |
| May      | \$ 94,750,000    | \$ 6,000,000  | \$ 100,750,000  |  | \$ 6,550,000   | \$ 600,000    | \$ 7,150,000   |
| June     | \$ 145,800,000   | \$ 8,600,000  | \$ 154,400,000  |  | \$ 57,350,000  | \$ 600,000    | \$ 57,950,000  |
| July     | \$ 129,350,000   | \$ 4,900,000  | \$ 134,250,000  |  | \$ 4,700,000   | \$ 800,000    | \$ 5,500,000   |
| Aug.     | \$ 98,000,000    | \$ 8,650,000  | \$ 106,650,000  |  | \$ 15,350,000  | \$ 300,000    | \$ 15,650,000  |
| Sept.    | \$ 111,400,000   | \$ 4,750,000  | \$ 116,150,000  |  | \$ 12,800,000  | \$ 900,000    | \$ 13,700,000  |
| Oct.     | \$ 123,650,000   | \$ 14,450,000 | \$ 138,100,000  |  | \$ 8,050,000   | \$ 600,000    | \$ 8,650,000   |
| Nov.     | \$ 112,550,000   | \$ 7,800,000  | \$ 120,350,000  |  | \$ 4,900,000   | \$ 100,000    | \$ 5,000,000   |
| Dec. (p) | \$ 95,250,000    | \$ 9,100,000  | \$ 104,350,000  |  | \$ 11,200,000  | \$ 2,000,000  | \$ 13,200,000  |
| 12 Mos.  | \$1,235,900,000  | \$ 92,400,000 | \$1,328,300,000 |  | \$ 166,550,000 | \$ 10,200,000 | \$ 176,750,000 |

P - Preliminary

N.M.T.B.A. F - 1c

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

**INDUSTRY ESTIMATE**  
**METAL FORMING TYPE MACHINE TOOLS**  
 New Orders, Cancellations, Shipments and Backlog



| DATE     | NET NEW ORDERS |               |                | Order<br>Backlog<br>(In Mil. \$) | SHIPMENTS      |               |                |
|----------|----------------|---------------|----------------|----------------------------------|----------------|---------------|----------------|
|          | Domestic       | Foreign       | Total          |                                  | Domestic       | Foreign       | Total          |
| 1983     |                |               |                |                                  |                |               |                |
| Jan.     | \$ 28,950,000  | \$ 5,850,000  | \$ 34,800,000  | 139.95                           | \$ 38,050,000  | \$ 7,400,000  | \$ 45,450,000  |
| Feb.     | \$ 18,700,000  | \$ 1,400,000  | \$ 20,100,000  | 130.50                           | \$ 26,550,000  | \$ 3,000,000  | \$ 29,550,000  |
| Mar.     | \$ 32,050,000  | \$ 3,800,000  | \$ 35,850,000  | 124.50                           | \$ 36,400,000  | \$ 5,450,000  | \$ 41,850,000  |
| Apr.     | \$ 37,400,000  | \$ 1,900,000  | \$ 39,300,000  | 125.95                           | \$ 35,000,000  | \$ 2,850,000  | \$ 37,850,000  |
| May      | \$ 37,900,000  | \$ 3,800,000  | \$ 41,700,000  | 130.60                           | \$ 35,050,000  | \$ 2,000,000  | \$ 37,050,000  |
| June     | \$ 41,100,000  | \$ 7,700,000  | \$ 48,800,000  | 142.15                           | \$ 33,100,000  | \$ 4,150,000  | \$ 37,250,000  |
| July     | \$ 42,000,000  | \$ 4,350,000  | \$ 46,350,000  | 151.55                           | \$ 31,950,000  | \$ 5,000,000  | \$ 36,950,000  |
| Aug.     | \$ 42,000,000  | \$ 4,250,000  | \$ 46,250,000  | 167.65                           | \$ 28,900,000  | \$ 1,250,000  | \$ 30,150,000  |
| Sept.    | \$ 49,550,000  | \$ 3,800,000  | \$ 53,350,000  | 183.40                           | \$ 33,150,000  | \$ 4,450,000  | \$ 37,600,000  |
| Oct.     | \$ 69,950,000  | \$ 3,150,000  | \$ 73,100,000  | 213.15                           | \$ 40,850,000  | \$ 2,500,000  | \$ 43,350,000  |
| Nov.     | \$ 40,850,000  | \$ 4,050,000  | \$ 44,900,000  | 217.60                           | \$ 37,100,000  | \$ 3,350,000  | \$ 40,450,000  |
| Dec. (p) | \$ 48,300,000  | \$ 11,700,000 | \$ 60,000,000  | 221.55                           | \$ 54,350,000  | \$ 1,700,000  | \$ 56,050,000  |
| 12 Mos.  | \$ 488,750,000 | \$ 55,750,000 | \$ 544,500,000 |                                  | \$ 430,450,000 | \$ 43,100,000 | \$ 473,550,000 |

| DATE     | GROSS NEW ORDERS |               |                | CANCELLATIONS |              |               |
|----------|------------------|---------------|----------------|---------------|--------------|---------------|
|          | Domestic         | Foreign       | Total          | Domestic      | Foreign      | Total         |
| 1983     |                  |               |                |               |              |               |
| Jan.     | \$ 30,700,000    | \$ 6,450,000  | \$ 37,150,000  | \$ 1,750,000  | \$ 600,000   | \$ 2,350,000  |
| Feb.     | \$ 20,300,000    | \$ 1,450,000  | \$ 21,750,000  | \$ 1,600,000  | \$ 50,000    | \$ 1,650,000  |
| Mar.     | \$ 32,500,000    | \$ 3,850,000  | \$ 36,350,000  | \$ 450,000    | \$ 50,000    | \$ 500,000    |
| Apr.     | \$ 40,050,000    | \$ 1,950,000  | \$ 42,000,000  | \$ 2,650,000  | \$ 50,000    | \$ 2,700,000  |
| May      | \$ 38,350,000    | \$ 4,250,000  | \$ 42,600,000  | \$ 450,000    | \$ 450,000   | \$ 900,000    |
| June     | \$ 41,150,000    | \$ 7,850,000  | \$ 49,000,000  | \$ 50,000     | \$ 150,000   | \$ 200,000    |
| July     | \$ 42,500,000    | \$ 4,400,000  | \$ 46,900,000  | \$ 500,000    | \$ 50,000    | \$ 550,000    |
| Aug.     | \$ 42,800,000    | \$ 4,550,000  | \$ 47,350,000  | \$ 800,000    | \$ 300,000   | \$ 1,100,000  |
| Sept.    | \$ 52,550,000    | \$ 3,850,000  | \$ 56,400,000  | \$ 3,000,000  | \$ 50,000    | \$ 3,050,000  |
| Oct.     | \$ 71,150,000    | \$ 3,400,000  | \$ 74,550,000  | \$ 1,200,000  | \$ 250,000   | \$ 1,450,000  |
| Nov.     | \$ 42,100,000    | \$ 4,200,000  | \$ 46,300,000  | \$ 1,250,000  | \$ 150,000   | \$ 1,400,000  |
| Dec. (p) | \$ 49,050,000    | \$ 11,900,000 | \$ 60,950,000  | \$ 750,000    | \$ 200,000   | \$ 950,000    |
| 12 Mos.  | \$ 503,200,000   | \$ 58,100,000 | \$ 561,300,000 | \$ 14,450,000 | \$ 2,350,000 | \$ 16,800,000 |

P - Preliminary

N.M.T.B.A. F - 1d

NOTE: This table includes industry estimate figures based on reports submitted to the National Machine Tool Builders' Association. These industry estimates have not been adjusted for change in the value of the dollar.

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS  
(DOLLAR FIGURES IN THOUSANDS)  
1978 TO DATE

| CUTTING AND FORMING |             |           |                   | CUTTING     |           |                   | FORMING     |            |                   |
|---------------------|-------------|-----------|-------------------|-------------|-----------|-------------------|-------------|------------|-------------------|
| DATE                | SHIPMENTS   |           | NET<br>NEW ORDERS | SHIPMENTS   |           | NET<br>NEW ORDERS | SHIPMENTS   |            | NET<br>NEW ORDERS |
|                     | Total       | Foreign   |                   | Total       | Foreign   |                   | Total       | Foreign    |                   |
| 1978-1              | \$ 683,200  | \$ 62,300 | \$ 940,050        | \$ 503,850  | \$ 44,200 | \$ 723,850        | \$ 179,350  | \$ 18,100  | \$ 216,200        |
| 2                   | 791,600     | 79,050    | 1,129,950         | 584,200     | 57,250    | 886,550           | 207,400     | 21,800     | 243,400           |
| 3                   | 687,550     | 77,750    | 1,027,650         | 498,050     | 59,200    | 776,950           | 189,500     | 18,550     | 250,700           |
| 4                   | 851,100     | 105,750   | 1,250,850         | 602,400     | 67,750    | 988,100           | 248,700     | 30,000     | 262,750           |
| Total               | \$3,013,450 | \$324,850 | \$4,348,500       | \$2,188,500 | \$228,400 | \$3,375,450       | \$ 824,950  | \$ 96,450  | \$ 973,050        |
| 1979-1              | \$ 858,050  | \$ 88,300 | \$1,471,400       | \$ 633,450  | \$ 69,000 | \$1,158,250       | \$ 224,600  | \$ 19,300  | \$ 313,150        |
| 2                   | 978,200     | 109,150   | 1,356,450         | 735,750     | 87,650    | 1,083,550         | 242,450     | 21,500     | 272,900           |
| 3                   | 899,850     | 97,050    | 1,353,200         | 689,850     | 78,500    | 1,120,500         | 210,000     | 18,550     | 232,700           |
| 4                   | 1,140,450   | 116,750   | 1,440,400         | 871,000     | 89,400    | 1,132,800         | 269,450     | 27,350     | 307,600           |
| Total               | \$3,876,550 | \$411,250 | \$5,621,450       | \$2,930,050 | \$324,550 | \$4,495,100       | \$ 946,500  | \$ 86,700  | \$1,126,350       |
| 1980-1              | \$1,146,150 | \$115,700 | \$1,517,450       | \$ 881,400  | \$ 86,750 | \$1,207,800       | \$ 264,750  | \$ 28,950  | \$ 309,650        |
| 2                   | 1,193,300   | 155,550   | 1,335,350         | 925,350     | 122,850   | 1,142,100         | 267,950     | 32,700     | 193,250           |
| 3                   | 1,049,050   | 133,850   | 917,500           | 830,450     | 102,650   | 728,300           | 218,600     | 31,200     | 189,200           |
| 4                   | 1,303,250   | 202,400   | 984,000           | 1,043,600   | 162,550   | 806,550           | 259,650     | 39,850     | 177,450           |
| Total               | \$4,691,750 | \$607,500 | \$4,754,300       | \$3,680,800 | \$474,800 | \$3,884,750       | \$1,010,950 | \$ 132,700 | \$ 869,550        |
| 1981-1              | \$1,288,200 | \$210,800 | \$ 920,350        | \$1,017,850 | \$155,600 | \$ 706,600        | \$ 270,350  | \$ 55,200  | \$ 213,750        |
| 2                   | 1,367,500   | 236,350   | 867,000           | 1,103,400   | 185,450   | 661,200           | 264,100     | 50,900     | 205,800           |
| 3                   | 1,133,950   | 127,950   | 593,450           | 920,300     | 99,950    | 455,250           | 213,650     | 28,060     | 138,200           |
| 4                   | 1,305,950   | 143,850   | 564,050           | 1,062,950   | 111,050   | 405,050           | 243,000     | 32,800     | 159,000           |
| Total               | \$5,095,600 | \$718,950 | \$2,944,850       | \$4,104,500 | \$552,050 | \$2,228,100       | \$ 991,100  | \$ 166,900 | \$ 716,750        |
| 1982-1              | \$1,154,200 | \$112,650 | \$ 506,800        | \$ 933,050  | \$ 71,750 | \$ 384,850        | \$ 221,150  | \$ 40,900  | \$ 121,950        |
| 2                   | 1,008,450   | 96,600    | 382,650           | 810,650     | 75,350    | 274,750           | 197,800     | 21,250     | 107,900           |
| 3                   | 783,400     | 107,200   | 279,950           | 640,450     | 89,750    | 183,450           | 142,950     | 17,450     | 96,500            |
| 4                   | 658,350     | 89,600    | 328,350           | 510,600     | 59,300    | 221,400           | 147,750     | 30,300     | 106,950           |
| Total               | \$3,604,400 | \$406,050 | \$1,497,750       | \$2,894,750 | \$296,150 | \$1,064,450       | \$ 709,650  | \$ 109,900 | \$ 433,300        |
| 1983-1              | \$ 487,450  | \$ 56,650 | \$ 314,850        | \$ 370,600  | \$ 40,800 | \$ 224,100        | \$ 116,850  | \$ 15,850  | \$ 90,750         |
| 2                   | 469,650     | 58,300    | 399,100           | 357,500     | 49,300    | 269,300           | 112,150     | 9,000      | 129,800           |
| 3                   | 357,050     | 42,900    | 468,150           | 252,350     | 32,200    | 322,200           | 104,700     | 10,700     | 145,950           |
| 4P                  | 531,450     | 57,150    | 513,950           | 391,600     | 49,600    | 335,950           | 139,850     | 7,550      | 178,000           |
| Total               | \$1,845,600 | \$215,000 | \$1,696,050       | \$1,372,050 | \$171,900 | \$1,151,550       | \$ 473,550  | \$ 43,100  | \$ 544,500        |

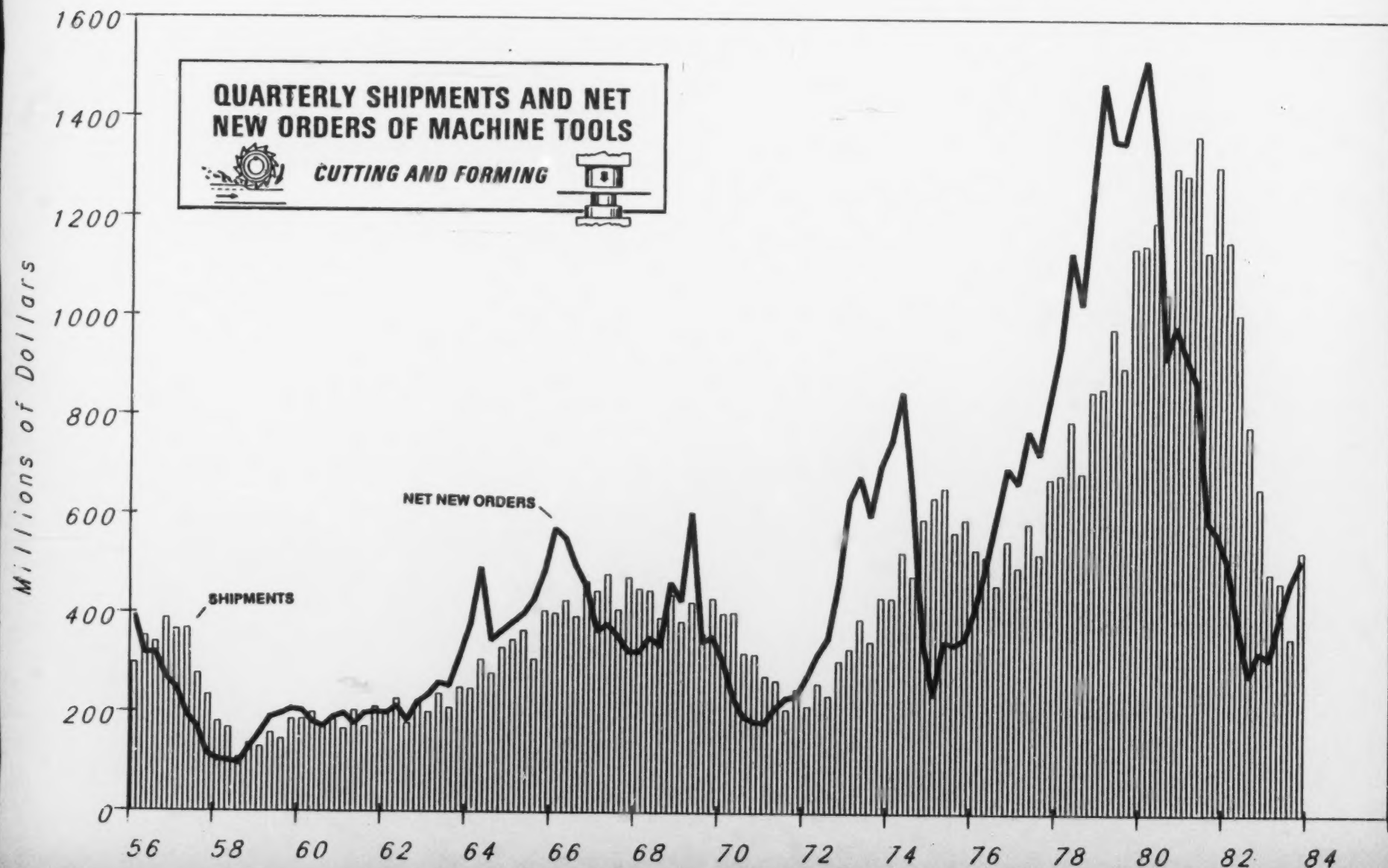
P - Preliminary

NOTE: These data series are available back to 1956. To obtain a copy of the tables for 1956 through 1982, contact:

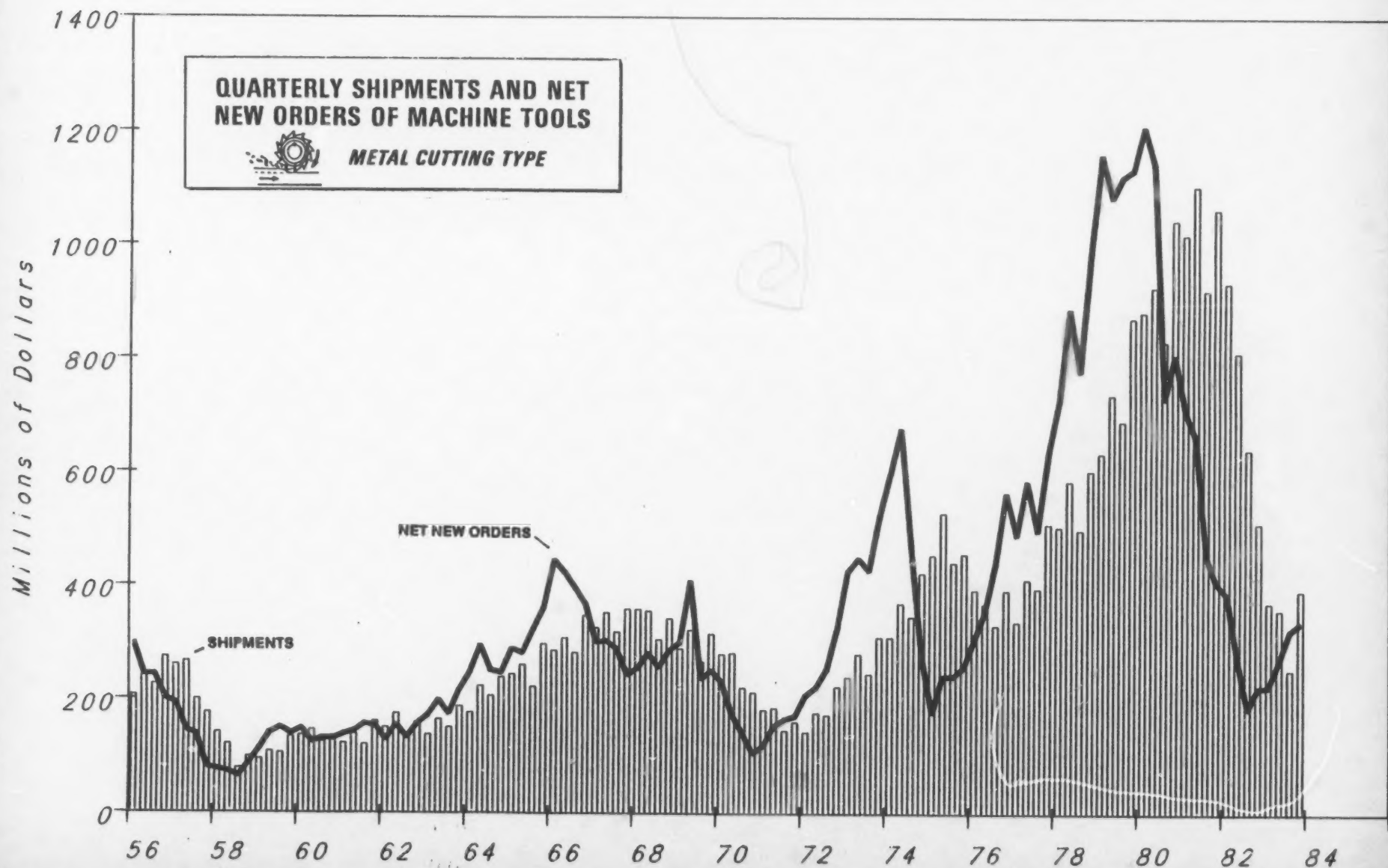
NMTBA Statistical Department, 7901 Westpark Drive, McLean, Virginia 22102. Phone: 703/893-2900  
Source: National Machine Tool Builders' Association

January 30, 1984

*Total Machine Tool  
Shipments (Bar) and Net New Orders (Line)  
Quarterly, 1956:1 to 1983:4*



*Metal Cutting Machine Tool  
Shipments (Bar) and Net New Orders (Line)  
Quarterly, 1956:1 to 1983:4*



*Metal Forming Machine Tool  
Shipments (Bar) and Net New Orders (Line)  
Quarterly, 1956:1 to 1983:4*

